

Exercise Solutions for Math 20

Factoring Polynomials and Simplifying Rational Expressions

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1

Factor the following completely.

1.1

$$16x^4 - 1$$

$\Rightarrow (4x^2 - 1)(4x^2 + 1)$	Factor using difference of two squares.
$\Rightarrow (2x - 1)(2x + 1)(4x^2 + 1)$	Factor using difference of two squares. ■